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LW

SAPC 16359
COPY 1 OF 1

APQ-56 Improvement Program

May 28, 1957

SYSTEM

XH-2
XH-3
NAVY

4.15 R. F. High Voltage Power Supply -

RK *RK*
file FC 3811
Reports

STAT

The 3M adhesive sample arrived and was used to bond one R.F. unit of Rexolite. After 5 cycles of thermal shock (-55° to +85°- 2 HR at each temperature) two sides of the box fell off and two other seams were loose. A last resort is to use non-metallic screws for support; meanwhile, an attempt to obtain a fused joint of the Rexolite will be made.

All

6.22 P. E. Cell -

STAT

Three P. E. Cell Test Sets are being built and tested to establish the sensitivity of P. E. Cells. All sets have been built and tested. A standard P. E. Cell will be included with each set for calibration at each usage. We are keeping a prime standard P. E. Cell for periodic calibration of each test set standard. The rough draft of the specification (T-632041) for P. E. Cell 595R017H01 (IRC type B10-M) has been written.

Time

Shared

13.22 AGC - Friedmann,

STAT

Design a new AGC that will be less susceptible to r-f interference and to stray audio pickup.

Drafting has finished all drawings for the new AGC. They are being checked by Engineering.

All

20.14 Pulse Width -

STAT

Several unsuccessful attempts have been made to shorten the r-f envelope pulse to 0.10 us maximum. A new pulse transformer is now available and will be used in further investigation.

ITEM NO.	DESCRIPTION	XH-3																	XH-1																	REMARKS										
		01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	01	02	03	04	05	06	07	08	09	10	01	02	03	04	05	06	07	08	09	10								
1	Recorder Cooler	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	Per Ed Arnold - Need Kit							
2	Camera Cooling	I	I	I	S	S	S	S	S	S	S	S	S	S	S	S	S	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	Per Ed Arnold - Need Kit							
3	Camera Servo Motors	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	Re shipped new contact boards 5/16/57.							
4	Focus & Alignment Fixture	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	Waiting on F.O.C. 5/16/57.							
5	Recorder 10 KV Power Supply	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	Waiting 10 KV 12 New Power 5/1							
6	Power Supply Fuses Protection for 28 V. Focus Alignment Fixture Trade off for Rear Antenna Feed	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	Waiting on F.O.C. 5/16/57.							
7	Control Panel to Prevent Synchronizer Damage	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	Need XH-2 Kit from Engrs.							
8	Synchronizer - Replace Cluster in Alt. Servo.	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I								
9	Power Supply Decrease 400 V Ripple	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I								
10	Magnetic Seal	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	All papers reshipped by 5/16/57.							
11	Ant. System Adjust Angle of Pod	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I									
12	Ground Range Sweep Add Clamping Circuit	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	5/16/57.							
13	Cabling, Accessories and Varguards	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	5/16/57.							
14	V/O ADC Class Video Amp.	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I								
15	Name Plates Replace Thermometer	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	Waiting on basic ordered drawings from 5/31/57.							
16	Cooling Fins Magne & Klystron	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	Per O. E. Mott - Kit due from Engrs.							
17	Trigger Circuit (Overlaid at Turn-On)	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	Waiting on basic ordered drawings from 5/31/57.							
18	Rectifier R.F. Head	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	Waiting on basic ordered drawings from 5/31/57.							
19																																														Waiting on basic ordered drawings from 5/31/57.